

INFORMATION  
DISCLOSURE STATEMENT

Address to:  
Commissioner for Patents  
Washington, D.C. 20231

	Attorney Docket	UCAL056CIP4
	First Named Inventor	Stanley B. Prusiner
	Application Number	09/856,230
	Confirmation No.	Unassigned
	Filing Date	May 17, 2001
	Group Art Unit	Unassigned
	Examiner Name	Unassigned
	Title	<i>Prion Protein Standard and Method of Making Same</i>

Sir:

This is an Information Disclosure Statement submitted for the Examiner's consideration. A Form PTO-1449 listing the references and copies of the cited references accompany this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record.

All of the references identified herein were disclosed in parent applications USSN 09/199,523, USSN 08/935,363, USSN 08/692,892, USSN 08/521,992, USSN 08/509,261 and USSN 08/242,188 and, as such, copies thereof are not included pursuant to the provisions of 37 C.F.R. §1.98(d).

This Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one of the above references constitutes prior art to the present application within the meaning of 35 U.S.C. §102.

As applicants have not yet received a first Action on the merits, no fee is believed to be required for filing this Disclosure Statement. If, however, the PTO finds that for some reason a fee is due, our Deposit Account No. 50-0815 may be charged therefor.

Respectfully submitted,  
BOZICEVIC, FIELD & FRANCIS LLP

Date: 15/August/2001

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				APPLICANT Stanley B. Prusiner		
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**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA		5,237,056	8/17/1993	Fischbach	536	23	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation
AB		WO 91/19810	12/22/1991	WO			
AC		WO 93/10227	05/27/1995	WO			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AD	Baker, H.F., et al. "Aminoacid Polymorphism in Human Prion Protein and Age at Death in Inherited Prion Disease," Lancet (1991) 337:1286.
AE	Barry, R.A., et al., "Monoclonal Antibodies to the Cellular and Scrapie Prion Proteins," J. Infect. Dis. (1986) 154(3):518-521.
AF	Basler et al., "Scrapie and Cellular PrP Isoforms Are Encoded by the Same Chromosomal Gene," Cell, (1986) 46:417-28.
AG	Berger, J.R., et al., "Creutzfeldt-Jakob disease in a physician: A review of the disorder in health care workers", Neurology, (1993) 43:205-206.
AH	Bolton et al., "Identification of a Protein That Purifies with the Scrapie Prion," Science (1982) 218: 1309-11.
AI	Bradley et al., May 1992, "Modifying the mouse: Design and Desire", Biotechnology 10:534-539.
AJ	Brown et al., "Friendly Fire in Medicine: Hormones, Homografts, and Creutzfeldt-Jakob Disease," Lancet (1992) 340: 24-27.
AK	Buchanan et al., "Mortality, Neoplasia, and Creutzfeld-Jakob Disease in Patients Treated with Human Pituitary Growth Hormone in the United Kingdom", BMJ (1991) 302:824-828.
AL	Bueler et al., "Mice Devoid of PrP are Resistant to Scrapie," Cell (1993) 73:1339-1347.
AM	Bueler et al., "Normal Development and Behavior of Mice Lacking the Neuronal Cell-surface PrP Protein," Nature (1992) 356:577-582.
AN	Carlson et al., "Linkage of Protein and Scrapie Incubation Time Genes," Cell (1986) 46:503-511.
AO	Caughey et al. In vitro expression in eukaryotic cells of a prion protein gene cloned from scrapie-infected mouse brain. Proc. Natl. Acad. Sci. USA 85:4657-4661, Jul. 1988.
AP	Chandler, "Encephalopathy in Mice Produced by Inoculation with Scrapie Brain Material," Lancet (1961) 1:1378-79.

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AQ	Cochius et al, "Creutzfeldt-Jakob Disease in a Recipient of Human Pituitary-Derived Gonadotrophin: A Second Case," J. Neurol. Neurosurg. Psychiatry (1992) 55:1094-1095.		
AR	Cochius et al., "Creutzfeldt-Jakob Disease in a Recipient of Human Pituitary-Derived Gonadotrophin," Aust. N.Z. J. Med. (1990) 20:592-593.		
AS	Collinge et al., "Genetic Predisposition to Latrogenic Creutzfeldt-Jakob Disease," Lancet (1991) 337:1441-1442.		
AT	Cousens, S.N., et al., "Geographical distribution of cases of Creutzfeldt-Jakob disease in England and Wales 1970-84", J. Neurol. Neurosurg. Psychiatry (1990) 53:459-465.		
AU	Farlie, P.G., et al., "bcl-2 Transgene expression can protect neurons against developmental and induced cell death", Proc. Natl. Acad. Sci. USA (1995) 92:4397-4401.		
AV	Gabriel et al., "Molecular Cloning of a Candidate Chicken Prion Protein," Proc. Natl. Acad. Sci. USA (1992) 89:9097-9101.		
AW	Gajdusek, D.C., "Unconventional Viruses and the Origin and Disappearance of Kuru," Science (1977) 197:943-960.		
AX	Gibbs, Jr. et al., "Creutzfeldt-Jakob Disease Infectivity of Growth Hormone Derived from Human Pituitary Glands," N.Eng. J. Med. (1993) 328:358-359.		
AY	Goldfarb et al, "Fatal Familial Insomnia and Familial Creutzfeldt-Jakob Disease: Disease Phenotype Determined by a DNA Polymorphism," Science (1992) 258:806-808.		
AZ	Goldmann et al., "Different Forms of the Bovine PrP Gene Have Five or Six Copies of a Short, C-C Rich Element within the protein-coding Exon," J. Gen. Virol. (1991) 72:201-204.		
BA	Goldmann et al., "Two Alleles of a Neural Protein Gene Linked to Scrapie in Sheep," Proc. Natl. Acad. Sci. USA (1990) 87:2476-2480.		
BB	Hammer et al. Spontaneous inflammatory disease in transgenic rats expressing HLA-B27 and human B2m: An animal model of HLA-B27-associated human disorders. Cell 63: 1099-1112, Nov. 1990.		
BC	Harris et al., "A Prion-like Protein from Chicken Brain Copurifies with an Acetylcholine Receptor-Inducing Activity," Proc. Natl. Acad. Sci. USA (1991) 88:7664-7668.		
BD	Hasty, P., et al., "Introduction of a subtle mutation into the Hox-2.6 locus in embryonic stem cells", Nature (1991) 350:243-246.		
BE	Healy et al., "Creutzfeldt-Jakob Disease After Pituitary Gonadotrophins: The Prion is the Problem," BMJ (1993) 307:517-518.		
BF	Hecker et al., "Replication of Distinct Scrapie Prion Isolates is Region Specific in Brains of Transgenic Mice and Hamsters," Genes Dev. (1992) 6:1213-1228.		
BG	Hsiao et al., "A Prion Protein Variant in a Family with the Telencephalic Form of Gerstmann-Strussler-Scheinker Syndrome," Neurology (1991) 41:681-684.		
BH	Hsiao et al., "Inherited Human Prion Diseases," Neurology (1990) 40:1820-1827.		
BI	Hsiao et al., "Linkage of a Prion Protein Missense Variant to Gerstmann-Straussler Syndrome," Nature (1989) 383:342-345.		
BJ	Kacsak, R.J., et al., "Mouse Polyclonal and Monoclonal Antibody to Scrapie-Associated Fibril Proteins," J. Virol. (1987) 61(12):3688-3693.		
BK	Koch et al., "Creutzfeldt-Jakob Disease in a Young Adult with Idiopathic Hypopituitarism," N. Engl. J. Med. (1985) 313:731-733.		

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	BL	Kretzschmar et al., "Molecular Cloning of a Human Prion Protein cDNA," DNA (1986) 5:315-324.		
	BM	Kretzschmar et al., "Molecular Cloning of a Mink Prion Protein Gene," J.Gen.Viro. (1992) 73:2757-2761.		
	BN	Lasmezas et al., "Recombinant Human Growth Hormone and Insulin-Like Growth Factor I Induce PrP Gene Expression in PC12 Cell," Biochem. Biophys. Res.Commun. (1993) 196:1163-1169.		
	BO	Locht et al., "Molecular Cloning and Complete Sequence of Prion Protein cDNA from Mouse Brain Infected with the Scrapie Agent," Proc. Natl. Acad. Sci. USA (1986) 83:6372-6276.		
	BP	Manuelidis et al., "Interspecies Transmission of Creutzfeldt-Jakob Disease to Syrian Hamsters with Reference to Clinical Syndromes and Strain of Agent," Proc. Natl. Acad. Sci USA (1978) 75:3432-3436.		
	BQ	Manuelidis et al., "Serial Propagation of Creutzfeldt-Jakob Disease in Guinea Pigs," Proc. Natl. Acad. Sci. USA (1976) 73:223-227.		
	BR	Martin et al., "Direct sequencing of PCR amplified pig PrP genes," Biochimica et Biophysica Acta 1270(2-3): 211-214, 1995.		
	BS	McKinley et al., "A Protease-Resistant Protein is a Structural Component of the Scrapie Prion," Cell (1983) 35:57-62.		
	BT	Medori et al., "Fatal Familial Insomnia, a Prion Disease with a Mutation at Codon 178 of the Prion Protein Gene," N. Engl.J. Med. (1992) 326:444-449.		
	BU	Muramoto, T., et al., "The Sequential Development of Abnormal Prion Protein Accumulation in Mice with Creuzfeldt-Jakob Disease," Am. J. Pathol. (1992) 140(6):1411-1420.		
	BV	Nisbet et al., "Creutzfeldt-Jakob Disease in a Second Patient Who Received a Cadaveric Dura mater Craft," J.Am. Med.Assoc. (1989) 261:1118.		
	BW	Palmer, M.S., et al., "Homozygous Prion Protein Genotype Predisposes to Sporadic Creutzfeldt-Jakob Disease", Nature (1991) 352:340-342.		
	BX	Pan, K.M., et al., "Conversion of .beta.-sheets features in the formation of the scrapie prion proteins", Proc. Natl. Acad. Sci. USA (1993) 90:10962-10966.		
	BY	Patel, "France Reels at Latest Medical Scandal," New Scientist, Jul. 31, 1993, p. 4.		
	BZ	Patel, "Placenta Donors to be Screened for Brain Disease," New Scientist, Nov. 20, 1993, p. 10.		
	CA	Prusiner et al., "Ablation of the Prion Protein (PrP) Gene in Mice Prevents Scrapie and Facilitates Production of Anti-PrP Antibodies," Proc. Natl. Acad. Sci. USA-(1993) 90:10608-10612.		
	CB	Prusiner et al., "Further Purification and Characterization of Scrapie Prions," Biochemistry (1982) 21:2942-50.		
	CC	Prusiner et al., "Measurement of the Scrapie Agent Using an Incubation Time Interval Assay," Annals. Neurol. (1982) 11(4):353-358.		
	CD	Prusiner et al., "Molecular Biology of Prion Diseases," Science (1991) 252:1515-1522.		

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CE	Prusiner et al., "Prion Diseases and Neurodegeneration," Ann.Rev.Neurosci. (1994) 17:311-339.			
CF	Prusiner et al., "Transgenic Studies Implicate Interactions Between Homologous PrP Isoforms in Scrapie Prion Replication," Cell (1990) 63:673-686.			
CG	Prusiner, S.B. "Molecular Biology of Prions Causing Infectious and Genetic Encephalopathies of Humans as well as Scrapie of Sheep and BSE of Cattle." Develop. Biol. Standard. (1991) vol. 75, pp. 55-74, especially p. 65.			
CH	Prusiner, S.B., et al., "Immunologic and Molecular Biological Studies of Prion Proteins in Bovine Spongiform Encephalopathy," J. Infect. Dis. (1993) 167:602-613.			
CI	Prusiner, S.B., et al., "Scrapie Prions Aggregate to Form Amyloid-like Birefringent Rods," Cell (1983) 35:349-358.			
CJ	Raeber et al., "Attempts to Convert the Cellular Prion Protein into the Scrapie Isoform in Cell-Free Systems," J. Virol. (1992) 66:6155-6163.			
CK	Ridley et al., Lancet Occupational Risk of Creutzfeldt-Jakob Disease, (1993) 341:641-2.			
CL	Rogers, M. et al., "Epitope Mapping of the Syrian Hamster Prion Protein Utilizing Chimeric and Mutant Genes in a Vaccinia Virus Expression System," J. Immunol. (1991) 147(10):3568-3574.			
CM	Scott et al, "Chimeric Prion Protein Expression in Cultured Cells and Transgenic Mice," Protein Sci. (1992) 1:986-97.			
CN	Scott et al, "Propagation of Prions with Artificial Properties in Transgenic Mice Expressing Chimeric PrP Genes," Cell (1993) 73:979-988.			
CO	Scott et al. Transgenic mice expressing hamster prion protein produce species-specific scrapie infectivity and amyloid plaques. Cell 59: 847-857, Dec. 1989.			
CP	Scott, M., et al, "Transgenic Mice Expressing Hamster Prion Protein Produce Species-Specific Infectivity and Amyloid Plaques," Cell (1989) 59:847-857.			
CQ	Serban, D., et al. "Rapid detection of Creutzfeldt-Jakob disease and scrapie prion proteins", Neurology (1990) 40:110-117.			
CR	Stahl et al., "Glycosylinositol Phospholipid Anchors of the Scrapie and Cellular Prion Proteins Contain Sialic Acid," Biochemistry (1992) 31:5043-5053.			
CS	Taraboulos et al., "Regional Mapping of Prion Proteins in Brain," Proc. Natl. Acad. Sci. USA (1992) 89:7620-7624.			
CT	Tateishi et al., "Transmission of Chronic Spongiform Encephalopathy with Kuru Plaques from Humans to Small Rodents," Ann.Neurol. (1979) 5:581-584.			
CU	Tateishi, J. et al., "Developments in Diagnosis for Prion Diseases," Br. Med. Bull. (1993) 49(4):971-979.			
CV	Teiling et al., "Transmission of Creutzfeldt-Jakob Disease from Humans to Transgenic Mice Expressing Chimeric Human-Mouse Prion Protein," 1994. Proc. Natl. Acad. Sci. USA 91:9936-9940			
CW	Teiling, G.C. et al. "Prion Propagation in Mice Expressing Human and Chimeric PrP Transgenes Implicates the Interaction of Cellular PrP with Another Protein." Cell Oct. 6, 1995, vol. 83, pp. 79-90, especially p. 84.			
CX	Thadani et al., "Creutzfeldt-Jakob Disease Probably Acquired From a Cadaveric Dura Mater Graft," J. Neurosurg. (1988) 69:766-769.			

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CY	Valancius, V. and Smithies, O., "Testing and "In-Out" Targeting Procedure for Making Subtle Genomic Modifications in Mouse Embryonic Stem Cells", Mol. Cell Biol. (1991) 11(3):1402-1408.			
CZ	Wall, RJ Transgenic livestock: Progress and prospects for the future. Theriogenology 45: 57-68, 1996.			
DA	Westaway et al., "Degeneration of Skeletal Muscle, Peripheral Nerves, and the Central Nervous System in Transgenic Mice Overexpressing Wild-Type Prion Proteins," Cell (1994) 76:117-129.			
DB	Westaway et al., Homozygosity for Prion Protein Alleles Encoding Glutamine-171 Renders Sheep Susceptible to Natural Scrapie.; Genes Dev. (1994) 8:959-969.			
DC	Wilesmith, J.W., "The epidemiology of bovine spongiform encephalopathy", Acad. Press. (1991) 2:239-245.			
DD	Willison et al., "Creutzfeldt-Jakob Disease Following Cadaveric Dura Mater Craft," Neurosurg. Psychiatric (1991) 54:940.			

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